

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: August 17, 2002, 17:37:42 ; Search time 60.14 seconds  
(without alignments)  
1874.722 Million cell updates/sec

Title: US-09-769-878-3  
Perfect score: 459  
Sequence: 1 atgtgttccctcccccattgc.....actttgaacagagctgtag 459

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

hed: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA:  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:  
5: /cgn2\_6/ptodata/2/ina/PCUS\_COMB.seq:  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	455.8	99.3	998	4	US-09-316-081-1
2	455.8	99.3	998	4	US-09-316-081-3
3	109.2	23.8	1282	4	US-09-417-455-4
4	109.2	23.8	1282	4	US-09-348-942-4
5	109.2	23.8	2648	4	US-09-417-455-6
6	109.2	23.8	2648	4	US-09-348-942-6
7	100.2	21.8	1710	3	US-09-000-630C-1
8	100.2	21.8	1710	3	US-08-862-730C-1
9	92.4	20.1	537	3	US-09-000-630C-27
10	92.4	20.1	537	3	US-08-862-730C-27
11	91.8	20.0	462	3	US-08-798-414-1
12	91.8	20.0	462	4	US-09-131-247-1
13	91.8	20.0	474	1	US-08-476-860-9
14	91.8	20.0	474	2	US-08-910-733-9
15	91.8	20.0	474	2	US-08-100-884-9
16	91.8	20.0	514	1	US-08-284-784-41
17	91.8	20.0	514	2	US-08-854-811-41
18	91.8	20.0	531	2	US-08-809-185-1
19	91.8	20.0	534	3	US-09-000-630C-24
20	91.8	20.0	534	3	US-08-862-730C-24
21	91.8	20.0	543	1	US-08-422-655-1
22	91.8	20.0	579	1	US-08-476-860-12
23	91.8	20.0	579	2	US-08-910-733-12
24	91.8	20.0	579	2	US-08-100-884-12
25	91.8	20.0	602	1	US-08-459-811-1
26	91.8	20.0	602	1	US-08-459-092-1
27	91.8	20.0	602	2	US-08-459-814-1

28	91.8	20.0	602	2	US-08-425-232-1	Sequence 1, Appli
29	91.8	20.0	602	2	US-08-471-227-2	Sequence 2, Appli
30	91.8	20.0	603	1	US-08-484-598-1	Sequence 1, Appli
31	91.8	20.0	603	2	US-08-479-140-1	Sequence 1, Appli
32	91.8	20.0	603	3	US-08-477-143-1	Sequence 1, Appli
33	91.8	20.0	717	1	US-08-284-784-40	Sequence 40, Appli
34	91.8	20.0	717	2	US-08-854-811-40	Sequence 40, Appli
35	90.8	19.8	537	3	US-09-000-630C-25	Sequence 25, Appli
36	90.8	19.8	537	3	US-08-862-730C-25	Sequence 25, Appli
37	85.2	18.6	534	3	US-09-000-630C-26	Sequence 26, Appli
38	85.2	18.6	534	3	US-08-862-730C-26	Sequence 26, Appli
39	81.4	17.7	475	4	US-09-131-247-3	Sequence 3, Appli
40	81.4	17.7	1167	4	US-09-131-247-15	Sequence 15, Appli
41	81.4	17.7	1170	4	US-09-131-247-13	Sequence 13, Appli
42	69.6	15.2	357	4	US-09-417-455-1	Sequence 1, Appli
43	69.6	15.2	357	4	US-09-348-942-1	Sequence 1, Appli
44	69.6	15.2	985	4	US-09-417-455-2	Sequence 2, Appli
45	69.6	15.2	985	4	US-09-348-942-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1  
US-09-316-081-1  
; Sequence 1, Application US/09316081  
; Patent No. 6339141  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis G.  
; APPLICANT: Pace, Ann M.  
; TITLE OF INVENTION: Interleukin-1 Hy2 Materials and Methods  
; FILE REFERENCE: 28110/35659  
; CURRENT APPLICATION NUMBER: US/09/316,081  
; CURRENT FILING DATE: 1999-05-20  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 998  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (54)..(512)  
US-09-316-081-1

Sequence "A"

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Db	54	atgtgttccctcccccattgcataataataataatgcagaccagagctcta	113	
QY	61	tacacaagagatggccagctgctggtggagatcctgttgcagacaactgctgtagag	120	
Db	114	tacacaagagatggccagctgctggtggagatcctgttgcagacaactgctgtagag	173	
QY	121	aagatctgcacacttccctaacagagcttggaccgacacaggtcccccatttccctggg	180	
Db	174	aagatctgcacacttccctaacagagcttggaccgacacaggtcccccatttccctggg	233	
QY	181	atccagggaggagccgctgctgctgctgctgctgctgctgctgctgctgctgctgctg	240	
Db	234	atccagggaggagccgctgctgctgctgctgctgctgctgctgctgctgctgctgctg	293	
QY	241	ctggaggatgtgaacattgaggaaactgtacaaaagggtggtgaagagccacgcttacc	300	
Db	294	ctggaggatgtgaacattgaggaaactgtacaaaagggtggtgaagagccacgcttacc	353	
QY	301	ttcttccagagcagctcagctcagctcagctcagctcagctcagctcagctcagctg	360	
Db	354	ttcttccagagcagctcagctcagctcagctcagctcagctcagctcagctgctg	413	

See over



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GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: August 17, 2002, 18:50:54 ; Search time 29 Seconds  
(without alignments)  
128.024 Million cell updates/sec

Title: US-09-769-878-4  
Perfect score: 818  
Sequence: 1 MCSLPMARYIIKYADQKAL.....QLTKSEPSARTKFFFEQSW 152

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	818	100.0	152	4	US-09-316-081-2
2	818	100.0	169	4	US-09-316-081-4
3	283	34.6	155	4	US-09-417-455-5
4	283	34.6	155	4	US-09-348-942-5
5	283	34.6	155	4	US-09-316-081-5
6	260.5	31.8	178	3	US-09-000-630C-23
7	260.5	31.8	178	3	US-08-862-730C-23
8	260.5	31.8	178	4	US-09-417-455-10
9	260.5	31.8	178	4	US-09-348-942-10
10	260.5	31.8	178	4	US-09-316-081-6
11	257.5	31.5	178	4	US-09-417-455-9
12	257.5	31.5	178	4	US-09-348-942-9
13	256	31.3	177	4	US-09-316-081-7
14	255.5	31.2	178	3	US-09-000-630C-21
15	255.5	31.2	178	3	US-08-862-730C-21
16	248	30.3	151	3	US-09-000-630C-3
17	248	30.3	151	3	US-08-862-730C-3
18	248	30.3	154	3	US-09-000-630C-5
19	248	30.3	154	3	US-08-862-730C-5
20	248	30.3	176	3	US-09-000-630C-4
21	248	30.3	176	3	US-08-862-730C-4
22	241	29.5	177	3	US-09-000-630C-22
23	241	29.5	177	3	US-08-862-730C-22
24	241	29.5	177	4	US-09-417-455-11
25	241	29.5	177	4	US-09-348-942-11
26	239.5	29.3	153	3	US-08-677-778B-1
27	238.5	29.2	153	3	US-08-798-414-2

28	238.5	29.2	153	4	US-09-131-247-2	Sequence 2, Appli
29	238.5	29.2	153	4	US-09-131-247-4	Sequence 4, Appli
30	238.5	29.2	156	1	US-08-476-860-10	Sequence 10, Appl
31	238.5	29.2	156	2	US-08-910-733-10	Sequence 10, Appl
32	238.5	29.2	156	2	US-08-910-884-10	Sequence 10, Appl
33	238.5	29.2	159	1	US-08-459-811-2	Sequence 2, Appli
34	238.5	29.2	159	2	US-08-484-598-2	Sequence 2, Appli
35	238.5	29.2	159	2	US-08-459-092-2	Sequence 2, Appli
36	238.5	29.2	159	2	US-08-459-814-2	Sequence 2, Appli
37	238.5	29.2	159	2	US-08-425-232-2	Sequence 2, Appli
38	238.5	29.2	159	2	US-08-471-227-3	Sequence 3, Appli
39	238.5	29.2	159	2	US-08-479-140-2	Sequence 2, Appli
40	238.5	29.2	159	3	US-08-477-143-2	Sequence 2, Appli
41	238.5	29.2	159	4	US-09-417-455-14	Sequence 14, Appl
42	238.5	29.2	159	4	US-09-348-942-14	Sequence 14, Appl
43	238.5	29.2	159	4	US-09-316-081-9	Sequence 9, Appli
44	238.5	29.2	177	1	US-08-422-655-2	Sequence 2, Appli
45	238.5	29.2	177	2	US-08-809-185-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1  
US-09-316-081-2  
; Sequence 2, Application US/09316081  
; Patent No. 6339141  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis G.  
; APPLICANT: Pace, Ann M.  
; TITLE OF INVENTION: Interleukin-1 Hy2 Materials and Methods  
; FILE REFERENCE: 28110/35659  
; CURRENT APPLICATION NUMBER: US/09/316,081  
; CURRENT FILING DATE: 1999-05-20  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 152  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-316-081-2

Query Match 100.0%; Score 818; DB 4; Length 152;  
Best Local Similarity 100.0%; Pred. No. 5.2e-91;  
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MCSLPMARYIIKYADQKALYTRDGLLVGDPVADNCCAEKICTLPNRLDRTKVPFLG 60  
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Db 1 MCSLPMARYIIKYADQKALYTRDGLLVGDPVADNCCAEKICTLPNRLDRTKVPFLG 60  
QY 61 IQGGSRLACVETEESPSLQLEDVNTIEELYKGEEATRTFFQSSGSAFRLEAAWPGW 120  
|||||  
Db 61 IQGGSRLACVETEESPSLQLEDVNTIEELYKGEEATRTFFQSSGSAFRLEAAWPGW 120  
QY 121 FLCGPAEPQPPVQLTKESEPSARTKFFEQSW 152  
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Db 121 FLCGPAEPQPPVQLTKESEPSARTKFFEQSW 152

RESULT 2  
US-09-316-081-4  
; Sequence 4, Application US/09316081  
; Patent No. 6339141  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis G.  
; APPLICANT: Pace, Ann M.  
; TITLE OF INVENTION: Interleukin-1 Hy2 Materials and Methods  
; FILE REFERENCE: 28110/35659  
; CURRENT APPLICATION NUMBER: US/09/316,081  
; CURRENT FILING DATE: 1999-05-20  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn Ver. 2.0



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; SEQ ID NO 4  
; LENGTH: 169  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-316-081-4

Query Match 100.0%; Score 818; DB 4; Length 169;  
Best Local Similarity 100.0%; Pred. No. 6e-91;  
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MCSLPARYIIKYADQKALYTRDGLLVGDPVADNCCAEKICTLPNRLDRTKVPILG 60  
Db 18 MCSLPARYIIKYADQKALYTRDGLLVGDPVADNCCAEKICTLPNRLDRTKVPILG 77  
QY 61 IOGSSRCLACVETEGLQEDVNIIEELKGGEEATRTFFOSSSGSAFRLEAAAWPGW 120  
Db 78 IOGSSRCLACVETEGLQEDVNIIEELKGGEEATRTFFOSSSGSAFRLEAAAWPGW 137  
QY 121 FLCGPAEPQPPVQLTKESEPSARTKFFEQSW 152  
Db 138 FLCGPAEPQPPVQLTKESEPSARTKFFEQSW 169

RESULT 3  
US-09-417-455-5  
; Sequence 5, Application US/09417455  
; Patent No. 6294655  
; GENERAL INFORMATION:  
; APPLICANT: Ford, John  
; APPLICANT: Pace, Ann  
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF  
; FILE REFERENCE: 28110/36328  
; CURRENT APPLICATION NUMBER: US/09/417,455  
; CURRENT FILING DATE: 1999-10-13  
; PRIOR APPLICATION NUMBER: US 09/348,942  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: PCT/US99/04291  
; PRIOR FILING DATE: 1999-04-05  
; PRIOR APPLICATION NUMBER: US 09/287,210  
; PRIOR FILING DATE: 1999-04-05  
; PRIOR APPLICATION NUMBER: US 09/251,370  
; PRIOR FILING DATE: 1999-02-17  
; PRIOR APPLICATION NUMBER: US 09/229,591  
; PRIOR FILING DATE: 1999-01-13  
; PRIOR APPLICATION NUMBER: US 09/127,698  
; PRIOR FILING DATE: 1998-07-31  
; PRIOR APPLICATION NUMBER: US 09/099,818  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: US 09/082,364  
; PRIOR FILING DATE: 1998-05-20  
; PRIOR APPLICATION NUMBER: US 09/079,909  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: US 09/055,010  
; PRIOR FILING DATE: 1998-04-03  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 155  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-417-455-5

Query Match 34.6%; Score 283; DB 4; Length 155;  
Best Local Similarity 45.7%; Pred. No. 1.9e-26;  
Matches 63; Conservative 20; Mismatches 49; Indels 6; Gaps 3;  
QY 18 KALYTRDGLLVGDPVADNCC-AEKICTLPNRLDRTKVPILGIGGSRCLACVETE 76  
Db 17 KVLHLNNQLLAGLHAGKVIKGEISVVPNRWLDASLSPVILGVGGSCGLSCGVGQE- 75  
QY 77 PSLQLEDVNIIEELKGGEEATRTFFOSSSGSAFRLEAAAWPGWFLCGPAEPQPPVQLTK 136

Db 76 PTLTLEPVNIMELYLGAKESKSTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQ 135  
QY 137 ESE---PSARTKFFEQ 150  
Db 136 LPENGGWNAPIITDFYFQQ 153  
RESULT 4  
US-09-348-942-5  
; Sequence 5, Application US/09348942  
; Patent No. 6337072  
; GENERAL INFORMATION:  
; APPLICANT: John Ford  
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF  
; FILE REFERENCE: 28110/35801  
; CURRENT APPLICATION NUMBER: US/09/348,942  
; CURRENT FILING DATE: 1999-07-07  
; EARLIER APPLICATION NUMBER: PCT/US99/04291  
; EARLIER FILING DATE: 1999-04-05  
; EARLIER APPLICATION NUMBER: US 09/287,210  
; EARLIER FILING DATE: 1999-04-05  
; EARLIER APPLICATION NUMBER: US 09/251,370  
; EARLIER FILING DATE: 1999-02-17  
; EARLIER APPLICATION NUMBER: US 09/229,591  
; EARLIER FILING DATE: 1999-01-13  
; EARLIER APPLICATION NUMBER: US 09/127,698  
; EARLIER FILING DATE: 1998-07-31  
; EARLIER APPLICATION NUMBER: US 09/099,818  
; EARLIER FILING DATE: 1998-06-19  
; EARLIER APPLICATION NUMBER: US 09/082,364  
; EARLIER FILING DATE: 1998-05-20  
; EARLIER APPLICATION NUMBER: US 09/079,909  
; EARLIER FILING DATE: 1998-05-15  
; EARLIER APPLICATION NUMBER: US 09/055,010  
; EARLIER FILING DATE: 1998-04-03  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 155  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-348-942-5

Query Match 34.6%; Score 283; DB 4; Length 155;  
Best Local Similarity 45.7%; Pred. No. 1.9e-26;  
Matches 63; Conservative 20; Mismatches 49; Indels 6; Gaps 3;  
QY 18 KALYTRDGLLVGDPVADNCC-AEKICTLPNRLDRTKVPILGIGGSRCLACVETE 76  
Db 17 KVLHLNNQLLAGLHAGKVIKGEISVVPNRWLDASLSPVILGVGGSCGLSCGVGQE- 75  
QY 77 PSLQLEDVNIIEELKGGEEATRTFFOSSSGSAFRLEAAAWPGWFLCGPAEPQPPVQLTK 136  
Db 76 PTLTLEPVNIMELYLGAKESKSTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQ 135  
QY 137 ESE---PSARTKFFEQ 150  
Db 136 LPENGGWNAPIITDFYFQQ 153  
RESULT 5  
US-09-316-081-5  
; Sequence 5, Application US/09316081  
; Patent No. 6339141  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis G.  
; APPLICANT: Pace, Ann M.  
; TITLE OF INVENTION: Interleukin-1 Hy2 Materials and Methods  
; FILE REFERENCE: 28110/35659  
; CURRENT APPLICATION NUMBER: US/09/316,081  
; CURRENT FILING DATE: 1999-05-20

BEST AVAILABLE COPY

NUMBER OF SEQ ID NOS: 11  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 155  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-316-081-5

Query Match 34.6%; Score 283; DB 4; Length 155;  
Best Local Similarity 45.7%; Pred. No. 1.9e-26;  
Matches 63; Conservative 20; Mismatches 49; Indels 6; Gaps 3;  
QY 18 KALYTRDQQLLVGDPVADNCC-AEKICTLPNRGLDRTKVPFIPLGIQGGSRCLACVETE 76  
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QY 77 PSLQLEDVNIIEELYKGGEEATRTFTFQSSGSAFRLEAAWPGWFLCGPAPFPQPVOLTK 136  
DB 76 PTLTLPVNMELYLGAKESKSTFYRRDWMGLTSSFESAAYPGWFLCTVPEADQPVRLTQ 135  
QY 137 ESE---PSARTKFFFEQ 150  
DB 136 LPENGWNAPIITDFYFQ 153

RESULT 6  
US-09-000-630C-23  
Sequence 23, Application US/09000630C  
Patent No. 6018029  
GENERAL INFORMATION:  
APPLICANT: Fuller, Gerald M  
APPLICANT: Fuentes, Nelson L.  
TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor  
TITLE OF INVENTION: Antagonist  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White  
STREET: 2001 Park Place, Suite 1400  
CITY: Birmingham  
STATE: Alabama  
COUNTRY: USA  
ZIP: 35203-2736  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch,  
COMPUTER: IBM compatible  
OPERATING SYSTEM: Microsoft Windows  
SOFTWARE: Wordperfect 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/000,630C  
FILING DATE:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/862,730  
FILING DATE:  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 178 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: rat IL-1ra sequence  
US-09-000-630C-23

Query Match 31.8%; Score 260.5; DB 3; Length 178;  
Best Local Similarity 44.5%; Pred. No. 1.2e-23;  
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;  
QY 16 DQKALYTRDQQLLVGDPVADNCC-AEKICTLPNRGLDRTKVPFIPLGIQGGSRCLACVETE 74  
DB 45 NQKTFYLRNNQLIAGYLGQPNKLEKIDMVP---IDFRNV--FLGIHGGKLCCLSCVKSG 99  
QY 75 EGPSLQLEDVNIIEELYKGGEEATRTFTFQSSGSAFRLEAAWPGWFLCGPAPFPQPVOL 134

DB 100 DDTKQLQLEEVNITDLNKNKEEDKRFIFIRSTGPTTSFESLACPGWFLCTTLEADHPVSL 159  
QY 135 TK-ESEPSARTKFFFEQ 150  
DB 160 TNTPKPECTVTTKFFFEQ 176  
RESULT 7  
US-08-862-730C-23  
Sequence 23, Application US/08862730C  
Patent No. 6063600  
GENERAL INFORMATION:  
APPLICANT: Fuller, Gerald M  
APPLICANT: Fuentes, Nelson L.  
TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor  
TITLE OF INVENTION: Antagonist  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White  
STREET: 2001 Park Place, Suite 1400  
CITY: Birmingham  
STATE: Alabama  
COUNTRY: USA  
ZIP: 35203-2736  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch,  
COMPUTER: IBM compatible  
OPERATING SYSTEM: Microsoft Windows  
SOFTWARE: Wordperfect 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/862,730C  
FILING DATE: 5/23/97  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 178 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: rat IL-1ra sequence  
US-08-862-730C-23

Query Match 31.8%; Score 260.5; DB 3; Length 178;  
Best Local Similarity 44.5%; Pred. No. 1.2e-23;  
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;  
QY 16 DQKALYTRDQQLLVGDPVADNCC-AEKICTLPNRGLDRTKVPFIPLGIQGGSRCLACVETE 74  
DB 45 NQKTFYLRNNQLIAGYLGQPNKLEKIDMVP---IDFRNV--FLGIHGGKLCCLSCVKSG 99  
QY 75 EGPSLQLEDVNIIEELYKGGEEATRTFTFQSSGSAFRLEAAWPGWFLCGPAPFPQPVOL 134  
DB 100 DDTKQLQLEEVNITDLNKNKEEDKRFIFIRSTGPTTSFESLACPGWFLCTTLEADHPVSL 159  
QY 135 TK-ESEPSARTKFFFEQ 150  
DB 160 TNTPKPECTVTTKFFFEQ 176  
RESULT 8  
US-09-417-455-10  
Sequence 10, Application US/09417455  
Patent No. 6294655  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Pace, Ann  
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF  
FILE REFERENCE: 28110/36328  
CURRENT APPLICATION NUMBER: US/09/417,455  
CURRENT FILING DATE: 1999-10-13  
PRIOR APPLICATION NUMBER: US 09/348,942  
PRIOR FILING DATE: 1999-07-07







NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Douglas C Murdock/Bradley, Arant, Rose & White  
STREET: 2001 Park Place, Suite 1400  
CITY: Birmingham  
STATE: Alabama  
COUNTRY: USA  
ZIP: 35203-2736  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch,  
COMPUTER: IBM compatible  
OPERATING SYSTEM: Microsoft Windows  
SOFTWARE: Wordperfect 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/000,630C  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/862,730  
FILING DATE:  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 178 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: mouse IL-1ra sequence  
US-09-000-630C-21

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Query Match 31.2%; Score 255.5; DB 3; Length 178;  
Best Local Similarity 44.5%; Pred. No. 4.7e-23;  
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;  
QY 16 DQKALYTRDGLLVGDPVADNCCAE-KICTLPNRLDRTKVPFLGIQGGSRCLACVETE 74  
Db 45 NOKTFYLRNNQLIAGYLQGNPKLEKIDMVP---IDLHSV--FLGIHGGKLCCLSCAKSG 99  
QY 75 EGPSLOLEDVNIIELYKGGSEATRTFFQSSGSAFRLAAAWPGWFLCGPAEPQPVOL 134  
Db 100 DDIKLQLEEVNITDLSKNKEEDKRTFIRSEKGPPTSFSAAACPGWFLCTTLEADRPVSL 159  
QY 135 TK-ESEPSARTKFFFEQ 150  
Db 160 TNTPEEPLIVTKFFQE 176

RESULT 15  
US-08-862-730C-21  
Sequence 21, Application US/08862730C  
Patent No. 6063600  
GENERAL INFORMATION:  
APPLICANT: Fuller, Gerald M  
APPLICANT: Fuentes, Nelson L.  
TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor  
TITLE OF INVENTION: Antagonist  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Douglas C Murdock/Bradley, Arant, Rose & White  
STREET: 2001 Park Place, Suite 1400  
CITY: Birmingham  
STATE: Alabama  
COUNTRY: USA  
ZIP: 35203-2736  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch,  
COMPUTER: IBM compatible  
OPERATING SYSTEM: Microsoft Windows  
SOFTWARE: Wordperfect 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/862,730C  
FILING DATE: 5/23/97  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:

LENGTH: 178 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: mouse IL-1ra sequence  
US-08-862-730C-21  
Query Match 31.2%; Score 255.5; DB 3; Length 178;  
Best Local Similarity 44.5%; Pred. No. 4.7e-23;  
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;  
QY 16 DQKALYTRDGLLVGDPVADNCCAE-KICTLPNRLDRTKVPFLGIQGGSRCLACVETE 74  
Db 45 NOKTFYLRNNQLIAGYLQGNPKLEKIDMVP---IDLHSV--FLGIHGGKLCCLSCAKSG 99  
QY 75 EGPSLOLEDVNIIELYKGGSEATRTFFQSSGSAFRLAAAWPGWFLCGPAEPQPVOL 134  
Db 100 DDIKLQLEEVNITDLSKNKEEDKRTFIRSEKGPPTSFSAAACPGWFLCTTLEADRPVSL 159  
QY 135 TK-ESEPSARTKFFFEQ 150  
Db 160 TNTPEEPLIVTKFFQE 176  
Search completed: August 17, 2002, 18:50:54  
Job time: 4386 sec



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RESULT 2  
US-09-316-081-3  
; Sequence 3, Application US/09316081  
; Patent No. 6339141  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis G.  
; APPLICANT: Pace, Ann M.  
; TITLE OF INVENTION: Interleukin-1 Hy2 Materials and Methods  
; FILE REFERENCE: 28110/35659  
; CURRENT APPLICATION NUMBER: US/09/316,081  
; CURRENT FILING DATE: 1999-05-20  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: PatentIn ver. 2.0

Query Match	99.3%;	Score 455.8;	DB 4;	Length 998;
Best Local Similarity	99.6%;	Pred. No. 3.8e-120;		
Matches 457; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

Qy	1	atgtgttccctccccatggcaagatactacataataataataatgcagaccagaaggctcta	60
Db	54	atgtgttccctccccatggcaagatactacataataataataatgcagaccagaaggctcta	113
Qy	61	tacacaagagatggccagctgctgtgtggagatcctgttgcagacaactgtgtgcagag	120
Db	114	tacacaagagatggccagctgctgtgtggagatcctgttgcagacaactgtgtgcagag	173
Qy	121	aagatctgcacacttcctaacagagccttggaccgcaccaaggtcccccatttccctgggg	180
Db	174	aagatctgcacacttcctaacagagccttggaccgcaccaaggtcccccatttccctgggg	233
Qy	181	atccaggagaggagccgctgcctggcatgtgtggagacagaaaggggccttccctacag	240
Db	234	atccaggagaggagccgctgcctggcatgtgtggagacagaaaggggccttccctacag	293
Qy	241	ctggaggatgtgaacattgaggaactgtacaaaggtggtgaagagggccacacgcttcacc	300
Db	294	ctggaggatgtgaacattgaggaactgtacaaaggtggtgaagagggccacacgcttcacc	353
Qy	301	ttcttcagagcagctcaggctccgccttcaggcttgaggccgctgacctggcctggctgg	360
Db	354	ttcttcagagcagctcaggctccgccttcaggcttgaggctgctgacctggcctggctgg	413
Qy	361	ttcctgtgtgtggcccgagagccccagcagccagtcacagctcactaaggagagtgagccc	420
Db	414	ttcctgtgtgtggcccgagagccccagcagccagtcacagctcactaaggagagtgagccc	473
Qy	421	tcagcccgtagcacaagttttactttgaacagagctggtag	459
Db	474	tcagcccgtagcacaagttttactttgaacagagctggtag	512

RESULT 3  
OS-09-417-455-4  
; Sequence 4, Application US/09417455

Query Match 23.8%; Score 109.2; DB 4; Length 1282;  
Best Local Similarity 58.4%; Pred. No. 5.9e-22;  
Matches 230; Conservative 0; Mismatches 158; Indels 6; Gaps 2;

[illegible]